

**DOE READING ROOM  
DOCUMENT TO BE RELEASED**

T070507

1. Location of Reading Room: Idaho Operations Public Reading Room 1776 Science Center Dr. University Place Idaho Falls, ID 83403		2. Expected Release Date:  June 5, 1995										
3. Document Type:  <table border="0"><tr><td><input type="checkbox"/> Letter</td><td>a. If letter or memo:</td></tr><tr><td><input type="checkbox"/> Memorandum</td><td>To:</td></tr><tr><td><input type="checkbox"/> Report</td><td>From:</td></tr><tr><td><input type="checkbox"/> Publication</td><td>Subject:</td></tr><tr><td><input checked="" type="checkbox"/> Other (Specify)</td><td></td></tr></table> Subject: SINGLE DATA PAGE WITH COMPARISON OF SNAPTRAN-2 AND SNAPTRAN-3 RELEASES  b. If report: Title:			<input type="checkbox"/> Letter	a. If letter or memo:	<input type="checkbox"/> Memorandum	To:	<input type="checkbox"/> Report	From:	<input type="checkbox"/> Publication	Subject:	<input checked="" type="checkbox"/> Other (Specify)	
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<input checked="" type="checkbox"/> Other (Specify)												
4. Document Date:  February 1966	c. If publication: Name: Volume: Issue:											
5. Summary (2-3 lines indicating the major subject(s) of the document): Single page which provides a comparison of SNAPTRAN-2 and SNAPTRAN-3 release data, including estimated off-site dose.												
6. Name and telephone number of person completing form:  Thomas L. Baccus (208) 525-0696	7. Organization:  Lockheed Idaho Technologies Co.	8. Date:  May 23, 1995										

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# HUMAN RADIATION EXPERIMENTS

## RECORDS PROVENANCE FORM

REPOSITORY NAME	INEL
COLLECTION NAME	SYSTEM FOR NUCLEAR AUXILIARY POWER TRANSIENT (SNAPTRAN)
BOX NUMBER	BOX #7 OF #8
ADDITIONAL LOCATION INFORMATION	RESL CFA-690 ROOM #212  FOLDER: DOSE RECONSTRUCTIONS, TRA POND
FILE TITLE	COMPARISON OF SNAPTRAN-2 AND SNAPTRAN-3 RELEASES
TOTAL PAGES	
BATE NUMBER RANGE	
DOCUMENT NUMBER RANGE	

HEI FORM DOCUMENT NO.: T070035

DOCUMENT NO.: T070507

DOCUMENT TITLE: COMPARISON OF SNAPTRAN-2 AND SNAPTRAN-3 RELEASES

CROSS REFERENCES:

ITEMS OF INTEREST:

February 1966

COMPARISON OF SNAPTRAN-2 AND SNAPTRAN-3 RELEASES

	<u>SNAPTRAN-2</u>	<u>SNAPTRAN-3</u>
PERCENT RELEASED TO ATMOSPHERE		
TOTAL	32	0.4
Kr-Xe	90	4
I	70	$<10^{-2}$
OTHER	$<10$	$<10^{-3}$
PERCENT RELEASED FROM FUEL		
TOTAL	32	5
Kr-Xe	90	6
I	70	13
ESTIMATED OFF-SITE DOSE (REM)		
THYROID-INGESTION	$3 \times 10^{-2}$	$<10^{-5}$
-INHALATION	$10^{-4}$	$<10^{-8}$
WHOLE BODY	$3 \times 10^{-4}$	$3 \times 10^{-6}$

REPOSITORY INEL

COLLECTION SNAPTRAN

BOX No. Box #7 of #8, RESL CFA 690 (Room 212)  
File: Dose Reconstruction, TRA Pond

FOLDER Comparison of SNAPTRAN-2 and  
SNAPTRAN-3 Release